

NOTICE OF DRAFTSPERSON'S
PATENT DRAWING REVIEW5/5/03The drawing(s) filed (insert date) 5/5/03:A. approved by the Draftsperson under 37 CFR 1.84 or 1.152.B. objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:	8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)
Black ink. Color. ____ Color drawings are not acceptable until petition is granted. ____ Fig(s) _____	____ Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____
____ Pencil and non black ink not permitted. Fig(s) _____	9. SCALE. 37 CFR 1.84(k)
2. PHOTOGRAPHS. 37 CFR 1.84(b)	____ Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. ____ Fig(s) _____
____ 1 full-tone set is required. Fig(s) _____	10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(i)
____ Photographs may not be mounted. 37 CFR 1.84(c)	____ Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality). ____ Fig(s) _____
____ Poor quality (half-tone). Fig(s) _____	11. SHADING. 37 CFR 1.84(m)
3. TYPE OF PAPER. 37 CFR 1.84(c)	____ Solid black areas pale. Fig(s) _____
____ Paper not flexible, strong, white, and durable. ____ Fig(s) _____	____ Solid black shading not permitted. Fig(s) _____
____ Erasures, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) _____	____ Shade lines, pale, rough and blurred. Fig(s) _____
____ Mylar, vellum paper is not acceptable (too thin). ____ Fig(s) _____	12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p)
4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes: ____ 21.0 cm by 29.7 cm (DIN size A4) ____ 21.6 cm by 27.9 cm (8 1/2 x 11 inches) ____ All drawing sheets not the same size. ____ Sheet(s) _____ ____ Drawings sheets not an acceptable size. Fig(s) _____	____ Numbers and reference characters not plain and legible. ____ Fig(s) _____
5. MARGINS. 37 CFR 1.84(g): Acceptable margins: Top 2.5 cm Left 2.5cm Right 1.5 cm Bottom 1.0 cm SIZE: A4 Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: 8 1/2 x 11 Margins not acceptable. Fig(s) _____ ____ Top (T) _____ Left (L) _____ ____ Right (R) _____ Bottom (B) _____	____ Figure legends are poor. Fig(s) _____
6. VIEWS. 37 CFR 1.84(h): REMINDER: Specification may require revision to correspond to drawing changes. Partial views. 37 CFR 1.84(h)(2)	____ Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) ____ Fig(s) _____
____ Brackets needed to show figure as one entity. ____ Fig(s) _____	____ English alphabet not used. 37 CFR 1.84(p)(2) ____ Figs _____
____ Views not labeled separately or properly. ____ Fig(s) _____	____ Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3) ____ Fig(s) _____
____ Enlarged view not labeled separately or properly. ____ Fig(s) _____	13. LEAD LINES. 37 CFR 1.84(q)
7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3)	____ Lead lines cross each other. Fig(s) _____
____ Hatching not indicated for sectional portions of an object. ____ Fig(s) _____	____ Lead lines missing. Fig(s) _____
____ Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____	14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t)
	____ Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) _____
	15. NUMBERING OF VIEWS. 37 CFR 1.84(u)
	____ Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____
	16. CORRECTIONS. 37 CFR 1.84(w)
	____ Corrections not made from prior PTO-948 dated _____
	17. DESIGN DRAWINGS. 37 CFR 1.152
	____ Surface shading shown not appropriate. Fig(s) _____
	____ Solid black shading not used for color contrast. ____ Fig(s) _____

COMMENTS

REVIEWER CBR DATE 7/25/03 TELEPHONE NO. 7033081359ATTACHMENT TO PAPER NO. 11